



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

SEPTEMBER 03, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
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MCCUTCHEN, DOYLE, BROWN, ET AL.  
DAVID W. MAHER  
THREE EMBARCADERO CENTER  
SAN FRANCISCO, CA 94111

**RECEIVED**

SEP 09 2002



Bingham McCutchen  
IP Docket Dept.

\*102147097A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/20/2002

REEL/FRAME: 013046/0463  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BAZAN, GUILLERMO C.

DOC DATE: 06/20/2002

ASSIGNOR:

GAYLORD, BRENT

DOC DATE: 06/20/2002

ASSIGNEE:

REGENTS OF THE UNIVERSITY OF  
CALIFORNIA, THE  
1111 FRANKLIN STREET  
12TH FLOOR  
OAKLAND, CALIFORNIA 94607-5200

SERIAL NUMBER: 60390524  
PATENT NUMBER:

FILING DATE: 06/20/2002  
ISSUE DATE:

Docket: 19629-7019  
Action: FILE COMPLETE APPL.  
Date Due: 6-20-03 on ch


013046/0463 PAGE 2

MARGARET LASALLE, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

Express Mail No. EV 102 656 653 US

PATENT

07-08-2002

FORM PTO-1595		RECORDATION PAT				Department of Commerce and Trademark Office	
		102147097					
To the Honorable Commissioner of Patents and Trademarks, please record the attached original documents or copy thereof:							
1. Name and address of conveying party(ies):  Name: <u>Guillermo C. Bazan</u> Name: <u>Brent Gaylord</u>  [X] Individual(s)  Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No				2. Name and address of receiving party(ies):  Name: <u>The Regents of the University of California</u> Address: <u>1111 Franklin Street, 12th Floor</u> <u>Oakland, CA 94607-5200</u>  Additional name(s) of receiving party(ies) attached? [ ] Yes [X] No			
3. Nature of Conveyance: [X] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other:  Execution Date: <u>June 20, 2002</u>							
4. Application Number(s) or Patent Number(s) <u>60/390524</u> If this document is being filed together with a new application, the execution date of the application is: <u>June 20, 2002</u>							
A. Patent Application Number(s): _____  Additional numbers attached? [ ] Yes [X] No				B. Patent Number(s): _____  Additional numbers attached? [ ] Yes [X] No			
5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: <u>David W. Maher</u>  Address: <u>McCutchen, Doyle, Brown &amp; Enersen LLP</u> <u>Three Embarcadero Center</u> <u>San Francisco, California 94111</u>				6. Total number of applications and patents involved: <u>1</u>  7. Total fee (37 C.F.R. § 3.41)(\$40.00 per assignment): \$ <u>40.00</u> [ ] Enclosed [X] Authorized to be charged to Deposit Account No. <u>50-1189</u> . [x] The Commissioner is authorized to charge underpayment of any fees or credit any overpayment to Deposit Account No. <u>50-1189</u> .			
DO NOT USE THIS SPACE							
9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  <u>David W. Maher</u> <u>40,077</u> <u>David W. Maher</u> <u>6/20/02</u> Name Registration Number Signature Date  Total number of pages including cover sheet, attachments and document: <u>2</u>							
Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231							

JCS979 U.S. PTO  
60/390524  
06/20/0207/08/2002 6TON11 00000013 501189 60390524  
01 FC:581 40.00 CH

## ASSIGNMENT

U.C. Case No. 2002-451-1

For good and valuable consideration, the receipt of which is hereby acknowledge, ASSIGNOR(S),

1. Guillermo C. Bazan

2. Brent S. Gaylord

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, Twelfth Floor, Oakland, CA 94607-5200, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

### **"METHODS AND COMPOSITIONS FOR DETECTION AND ANALYSIS OF POLYNUCLEOTIDES USING LIGHT HARVESTING MULTICHROMOPHORES"**

and which is found in

(a) X U.S. provisional application filed herewith and listing the above named persons as inventors

(b)      U.S. patent application filed herewith and listing the above named persons as inventors

(c)      U.S. application serial no.                     , filed on                     

(d)      U.S. Patent No.:                     , issued                     

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property.

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application officially known.

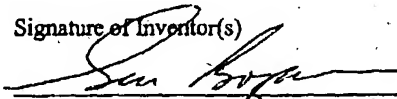
AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.

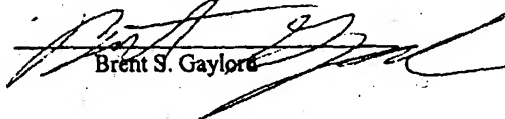
executed this

20 day of June, 2002

20 day of June, 2002

Signature of Inventor(s)

  
Guillermo C. Bazan

  
Brent S. Gaylord

## ASSIGNMENT

U.C. Case No. 2002-451-1

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(b)      U.S. patent application filed herewith and listing the above named persons as inventors

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(d)      U.S. Patent No.:                     , issued                     

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property.

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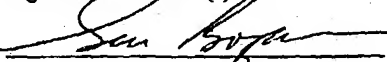
AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.

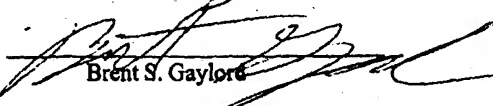
executed this

20 day of June, 2002

20 day of June, 2002

Signature of Inventor(s)

  
Guillermo C. Bazan

  
Brent S. Gaylord



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

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APR 17 2003

Singham McCutchen  
1700 Montgomery Avenue  
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19629-7022

APRIL 03, 2003

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Washington, DC 20231  
www.uspto.gov

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DAVID W. MAHER  
THREE EMBARCADERO CENTER  
SAN FRANCISCO, CA 94111



\*102300372A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/26/2002

REEL/FRAME: 013536/0619  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BAZAN, GUILLERMO C.

DOC DATE: 10/22/2002

ASSIGNOR:

GAYLORD, BRENT

DOC DATE: 10/22/2002

ASSIGNEE:

REGENTS OF THE UNIVERSITY OF  
CALIFORNIA, THE  
1111 FRANKLIN STREET, 12TH FLOOR  
OAKLAND, CALIFORNIA 94607-5200

SERIAL NUMBER: 60406266  
PATENT NUMBER:

FILING DATE: 08/26/2002  
ISSUE DATE:

JEFFREY OLSEN, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

JRV

12-04-2002

Express Mail No. EV 154 652 294 US



PATENT

102300372

11-26-02

FORM PTO-1595		U.S. Department of Commerce	
RECORDATION FORM COVER SHEET		Patent and Trademark Office	
PATENTS ONLY			
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:			
1. Name and address of conveying party(ies):  Name: <u>Guillermo C. Bazan</u> Name: <u>Brent Gaylord</u>  <input checked="" type="checkbox"/> Individual(s)  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies):  Name: <u>The Regents of the University of California</u> Address: <u>1111 Franklin Street, 12th Floor</u> <u>Oakland, CA 94607-5200</u>  Additional name(s) of receiving party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:  Execution Date: <u>October 22, 2002</u>			
4. Application Number(s) or Patent Number(s) <u>60/406,266</u> If this document is being filed together with a new application, the execution date of the application is: <u>August 26, 2002</u>			
A. Patent Application Number(s) <u>60/406,266</u> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		B. Patent Number(s): _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning this document should be mailed:  Name: <u>David W. Maher</u>  Address: <u>Bingham McCutchen LLP</u> <u>Three Embarcadero Center</u> <u>San Francisco, California 94111</u>		6. Total number of applications and patents involved: <u>1</u>  7. Total fee (37 C.F.R. § 3.41)(\$40.00 per assignment): <u>\$ 40.00</u>  <input checked="" type="checkbox"/> Authorized to be charged to Deposit Account No. <u>50-1189</u> . <input checked="" type="checkbox"/> The Commissioner is authorized to charge underpayment of any fees or credit any overpayment to Deposit Account No. <u>50-1189</u> .	
DO NOT USE THIS SPACE			
9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  <div style="display: flex; justify-content: space-between;"> <div> <u>David W. Maher</u> Name         </div> <div> <u>40,077</u> Registration Number         </div> <div>  Signature         </div> <div> <u>11/25/02</u> Date         </div> </div> <p style="text-align: center;">Total number of pages including cover sheet, attachments and document: 2</p>			
Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231			

12/04/2002 TDI A21 00000011 501189 60406266

01 FC:8021 40.00 CH

## ASSIGNMENT

U.C. Case No. 2002-525-1

For good and valuable consideration, the receipt of which is hereby acknowledge, ASSIGNOR(S),

1. Guillermo C. Bazan

2. Brent S. Gaylord

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, Twelfth Floor, Oakland, CA 94607-5200, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled:

**"DETECTION OF DEOXYRIBONUCLEIC ACID (DNA) WITH SPECIFIC BASE SEQUENCES USING LIGHT HARVESTING MULTI-CHROMOPHORE SYSTEM AND FUNCTIONALIZED OLIGONUCLEOTIDES"**

and which is found in

(a) ☐ U.S. provisional application filed herewith and listing the above named persons as inventors

(b) ☐ U.S. patent application filed herewith and listing the above named persons as inventors

(c) ☒ U.S. application serial no. 60/406,266, filed on August 26, 2002

(d) ☐ U.S. Patent No.: \_\_\_\_\_, issued \_\_\_\_\_

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property.

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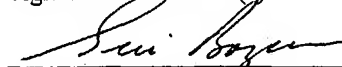
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executed this

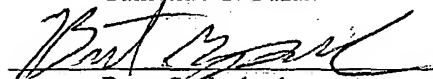
22 day of October, 2002

22 day of October, 2002

Signature of Inventor(s)



Guillermo C. Bazan



Brent S. Gaylord